



TEREX®

Operator's Manual

RL4
RL4S
RL4000
TML-4000

from RL12-1233

from RL12-1233

from RL10-1788

from TML10-289

with
Maintenance
Information

Second Edition
Sixth Printing
Part No. T108020

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Important

Read, understand and obey these safety rules and operating instructions before operating this machine. Only trained and authorized personnel shall be permitted to operate this machine. This manual should be considered a permanent part of your machine and should remain with the machine at all times. If you have any questions, contact us.

Contact Us:

Internet:

www.discount-equipment.com



Contents

Introduction	1
Symbol and Hazard Pictorials Definitions.....	4
General Safety	6
Work Area Safety.....	10
Legend	15
Controls.....	17
Inspections	24
Operating Instructions.....	34
Transport and Lifting Instructions	42
Maintenance	44
Specifications.....	47
Reporting Safety Defects.....	48

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Introduction

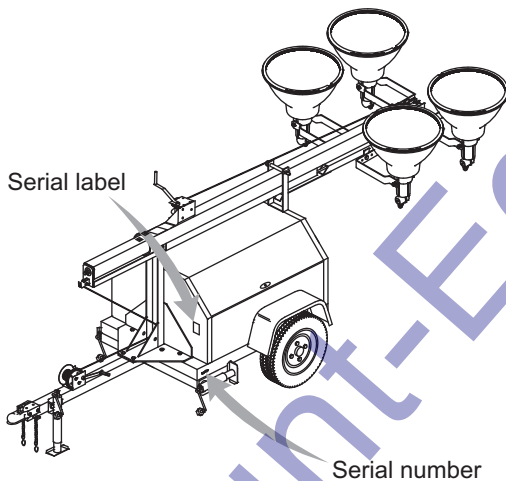
About this manual

Terex appreciates your choice of our machine for your application. Our number one priority is user safety, which is best achieved by our joint efforts. This book is an operation and daily maintenance manual for the user or operator of a Terex machine.

This manual should be considered a permanent part of your machine and should remain with the machine at all times. If you have any questions, contact Terex.

Product Identification

The machine serial number is located on the serial label.



Intended Use

This machine is intended to be used only to provide lighting and electrical power to a work site. Use of this product in any other way is prohibited and contrary to its intended use.

Bulletin Distribution and Compliance

Safety of product users is of paramount importance to Terex. Various bulletins are used by Terex to communicate important safety and product information to dealers and machine owners.

The information contained in the bulletins is tied to specific machines using the machine model and serial number.

Distribution of bulletins is based on the most current owner on record along with their associated dealer, so it is important to register your machine and keep your contact information up to date.

To ensure safety of personnel and the reliable continued operation of your machine, be sure to comply with the action indicated in a respective bulletin.



Introduction

Contacting the Manufacturer

At times it may be necessary to contact Terex. When you do, be ready to supply the model number and serial number of your machine, along with your name and contact information. At minimum, Terex should be contacted for:

Accident reporting

Questions regarding product applications and safety

Standards and regulatory compliance information

Current owner updates, such as changes in machine ownership or changes in your contact information. See Transfer of Ownership, below.

Transfer of Machine Ownership

Taking a few minutes to update owner information will ensure that you receive important safety, maintenance and operating information that applies to your machine.

Please register your machine by visiting us on the web at www.genielift.com or by calling us toll free at 1-800-536-1800.



Danger

Failure to obey the instructions and safety rules in this manual will result in death or serious injury.

Do Not Operate Unless:

- ☒ You learn and practice the principles of safe machine operation contained in this operator's manual.
 - 1 Avoid hazardous situations.**
 - Know and understand the safety rules before going on to the next section.**
 - 2 Always perform a pre-operation inspection.
 - 3 Always perform function tests prior to use.
 - 4 Inspect the workplace.
 - 5 Only use the machine as it was intended.
- ☒ You read, understand and obey the manufacturer's instructions and safety rules—safety and operator's manuals and machine decals.
- ☒ You read, understand and obey employer's safety rules and worksite regulations.
- ☒ You read, understand and obey all applicable governmental regulations.
- ☒ You are properly trained to safely operate the machine.

Introduction

Hazard Classification

Decals on this machine use symbols, color coding and signal words to identify the following:



Safety alert symbol—used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



Indicates a hazardous situation that if not avoided, will result in death or serious injury.



Indicates a hazardous situation that if not avoided, could result in death or serious injury.



Indicates a hazardous situation that if not avoided, could result in minor or moderate injury.





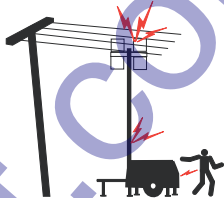
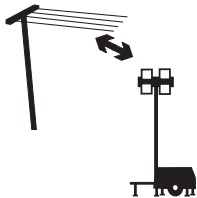
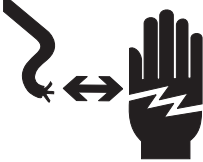






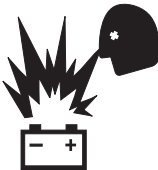








Indicates information considered important, but not hazard related (e.g. messages related to property damage)












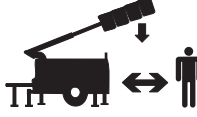



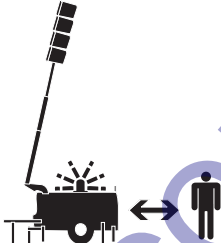



Safety Sign Maintenance

Replace any missing or damaged safety signs. Keep operator safety in mind at all times. Use mild soap and water to clean safety signs. Do not use solvent-based cleaners because they may damage the safety sign material.

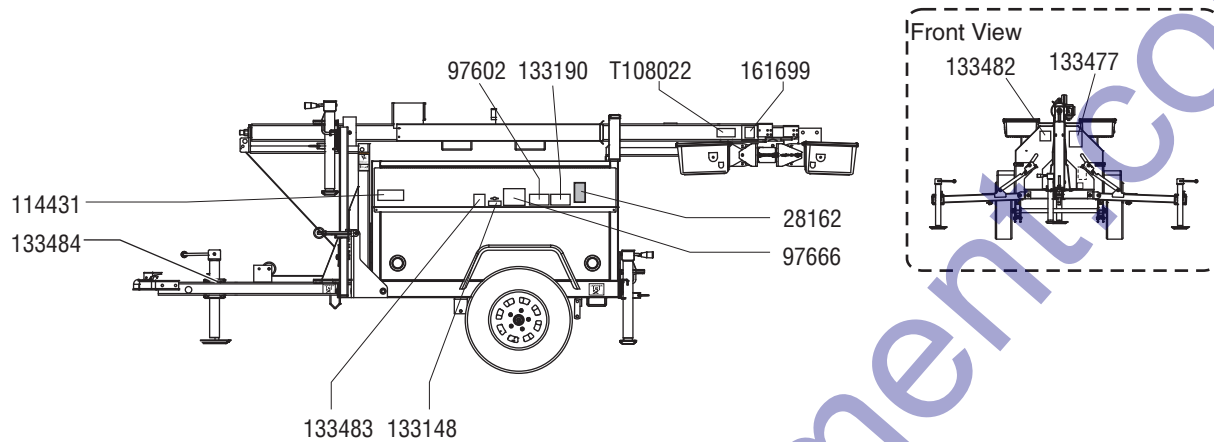
Symbol and Hazard Pictorials Definitions

				
Read the operator's manual	Electrocution hazard	Stop engine	Earth ground	Electrocution hazard
				
Maintain required clearance	Explosion / Burn hazard	Disconnect battery Read the service manual	Crush hazard	Keep away from moving parts
				
Keep away from moving parts	Stay clear of belts and fan	Burn hazard	Explosion / Burn hazard	Corrosive acid.
				
Explosion hazard	Do not use ether or other high energy starting aids on machines equipped with glow plugs.	No smoking	No flame	No flame

Symbol and Hazard Pictorials Definitions

				
Burn hazard	Burn hazard	Burn hazard	Burn hazard	Stay clear of hot exhaust
				
Burn hazard, hot components	Stay clear of hot surfaces under cover	Carbon Monoxide hazard	Wear protective clothing	Shattering glass hazard
				
Crushing hazard	Stay clear of descending mast	Tip-over hazard	Deploy outriggers before raising mast	Electrocution and crush hazard
				
Auto-start avoidance	Tip-over hazard, tow speed	Lifting point	Tie-down point	

General Safety



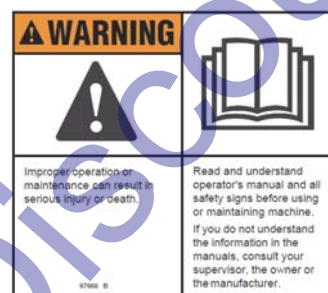
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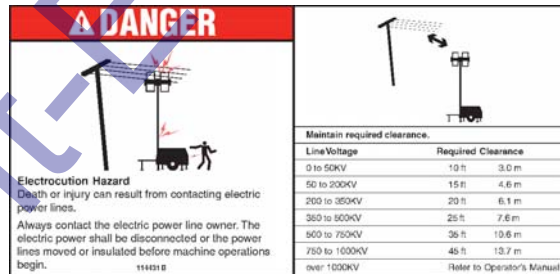
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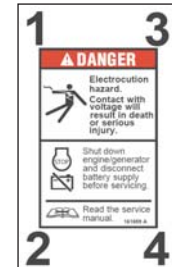
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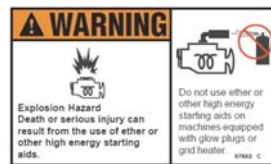
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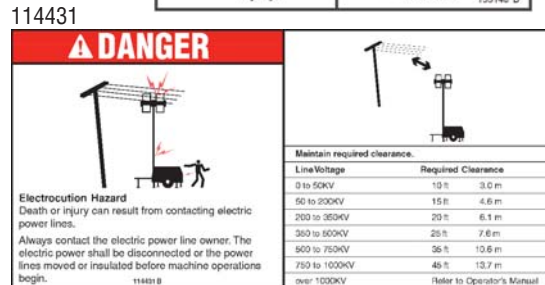
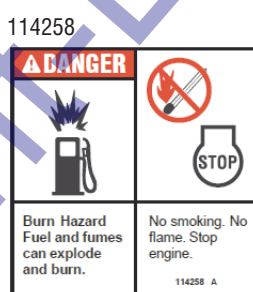
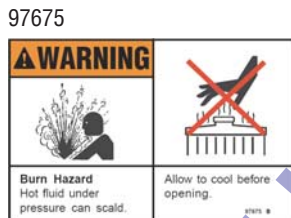
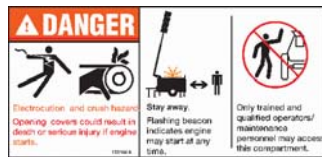
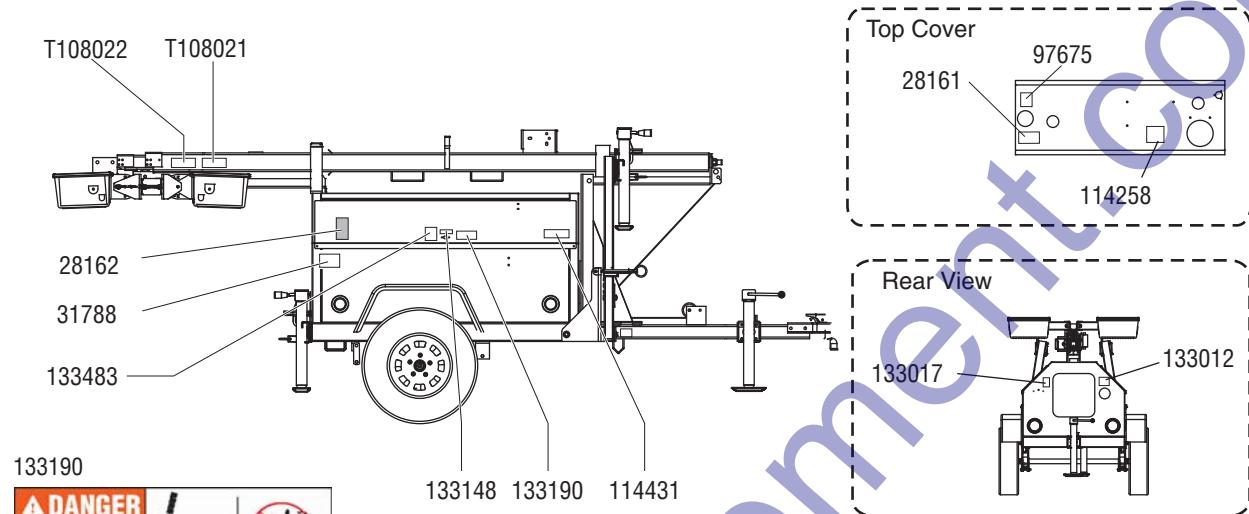
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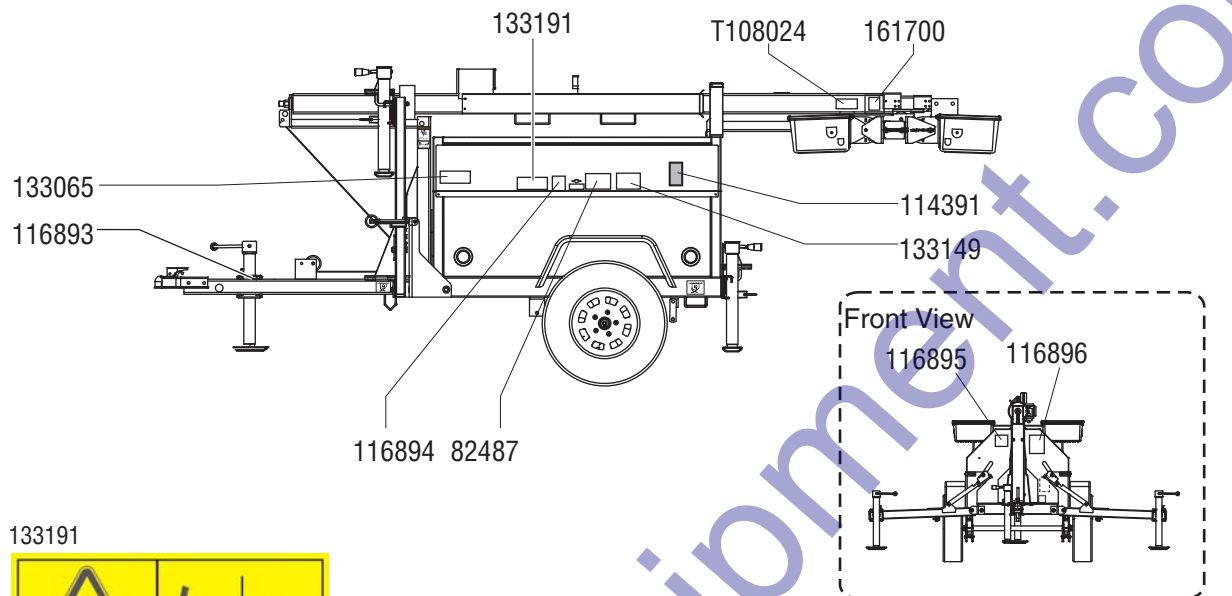
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General Safety



General Safety



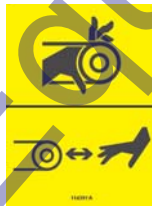
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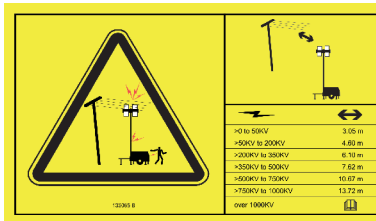
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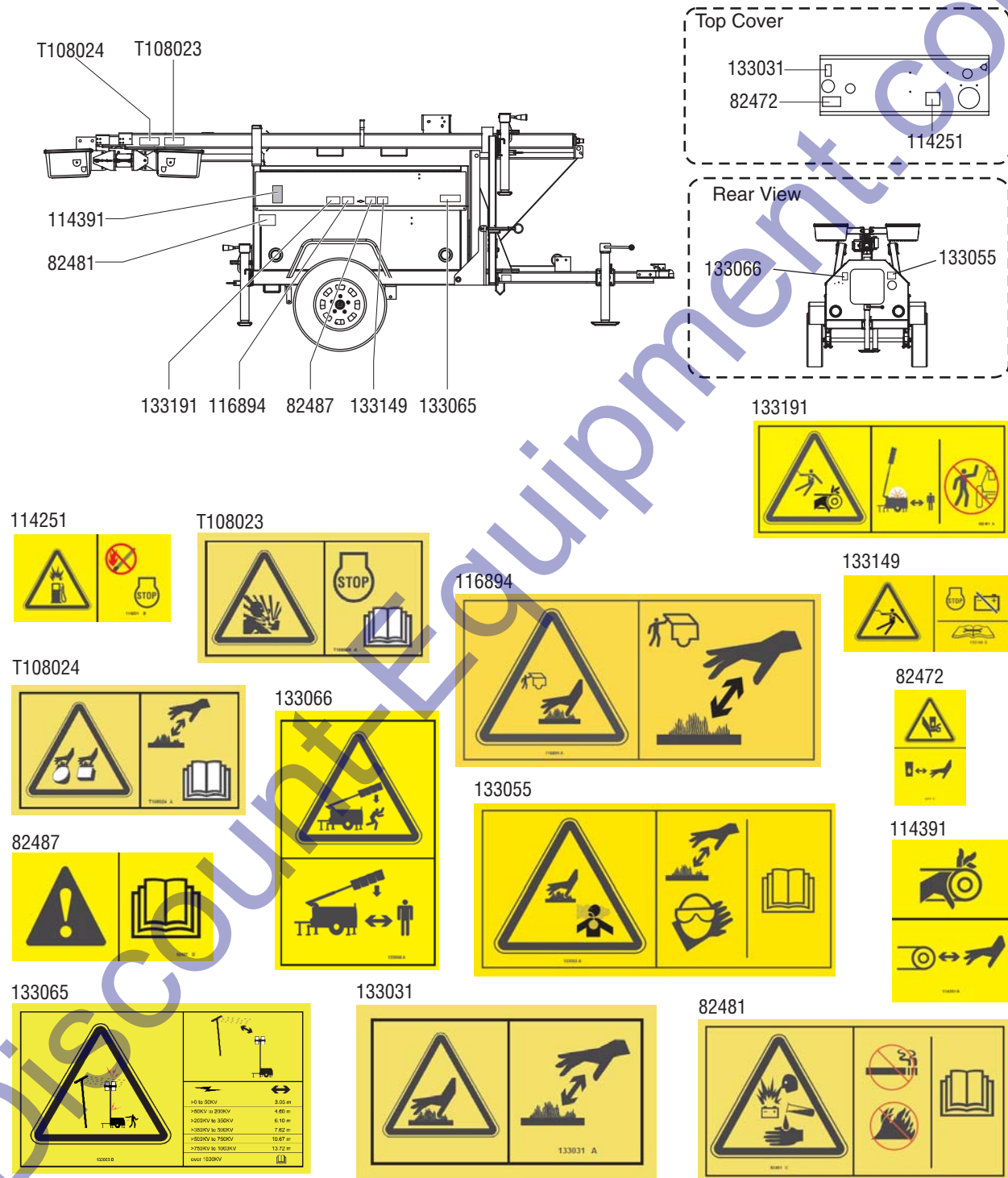
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General Safety



Work Area Safety

⚠ Electrocuting Hazards

This machine is not electrically insulated and will not provide protection from contact with or proximity to electrical current.

Obey all local and governmental regulations regarding required clearance from electrical power lines. At a minimum, the required clearance contained in the chart below must be followed.

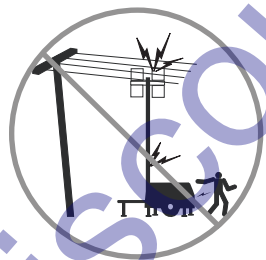
Line Voltage	Required Clearance	
0 to 50KV	10 ft	3.05 m
>50 to 200KV	15 ft	4.60 m
>200 to 350KV	20 ft	6.10 m
>350 to 500KV	25 ft	7.62 m
>500 to 750KV	35 ft	10.67 m
>750 to 1000KV	45 ft	13.72 m
over 1000KV	see below	

For power lines over 1000kV, the minimum clearance distance must be established by the utility owner or operator or by a registered professional engineer who is a qualified person with respect to electrical power transmission and distribution.

Allow for mast movement, electrical line sway or sag, and beware of strong or gusty winds.

Do not operate the machine during lightning or storms.

Do not use the machine as a ground for welding.



Keep away from the machine if it contacts energized power lines. Personnel must not touch or operate the machine until energized power lines are shut off.

Do not connect wires directly to the generator. Connect auxiliary equipment only to the power outlets provided.

Do not perform service or replace the lamps with the engine/generator running or batteries connected.

This machine should be grounded in accordance with all local electrical codes. Consult the local electrical codes or authority having jurisdiction in the area where the machine will be used for specific requirements.

There is a permanent conductor between the generator (static winding) and the frame.

If this machine is equipped with an auto start feature, the flashing beacon indicates that the engine may start at any time. Only trained and qualified operators/maintenance personnel may access this compartment.

⚠ Explosion and Fire Hazards

Do not start the engine if you smell or detect liquid petroleum gas (LPG), gasoline, diesel fuel or other explosive substances.



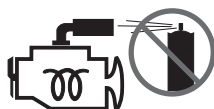
Do not refuel the machine with the engine running.

Do not refuel the machine while it is hot. Allow to cool for several minutes before refueling.

Do not spill fuel inside the engine compartment.

Refuel the machine and charge the battery only in an open, well-ventilated area away from sparks, flames and lighted tobacco.

Do not operate the machine in hazardous locations or locations where potentially flammable or explosive gases or particles may be present.



Do not spray ether into engines equipped with glow plugs.

Work Area Safety

⚠ Tip-over Hazards



Do not raise the mast unless all outriggers are properly deployed, the foot pads are in firm contact with the ground and the machine is level.

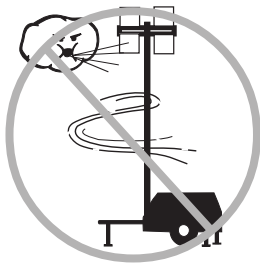
Do not set the machine up on a surface where it cannot be leveled using only the leveling jacks.

Do not rotate mast while standing on the platform.

Do not hang objects from the lights or the mast.

Do not use the mast to raise material or personnel.

Do not move the machine unless the mast is lowered to the horizontal position.



Do not raise the mast when wind speeds may exceed 62 mph / 100 km/h. Do not alter or disable machine components that in any way affect safety and stability.

Do not alter or disable machine components that in any way affect safety and stability.

Do not adjust or stow the outriggers when the mast is raised.

Be sure the tires are in good condition and the lug nuts tightened.



Do not place ladders or scaffolds against any part of the machine.

Do not use the machine on a moving or mobile surface or vehicle.

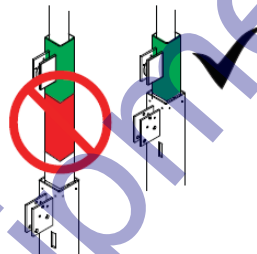
⚠ Crushing Hazard



Do not lower the mast unless the area below is clear of personnel and obstructions.

Keep hands and fingers away from any potential pinch points.

Do not lower the mast until the mast is retracted and the upper retaining bar is locked into the mast. No red should be visible on the mast.



Collision Hazards

Check the work area for overhead obstructions or other possible hazards.

⚠ Burn Hazards



Do not touch the lamp fixtures while they are turned on. Turn the lamps off and allow them to cool before touching.

Do not touch hot parts of the engine or tailpipe. Use protective gloves when handling hot parts.

Work Area Safety

▲ Bodily Injury Hazard

Do not use the machine indoors unless properly ventilated.

Do not breathe exhaust fumes.

Do not work on this equipment when mentally or physically fatigued.

Do not work on this equipment when under the influence of drugs or alcohol.

Stay clear of belts and fan when engine is running.

Do not use the machine if the protective barrier on any of the lamps is broken or punctured. Metal halide lamps produce shortwave ultra-violet radiation and can cause serious skin burns or eye inflammation if the protective barrier is not in place.

Do not use where people will remain close to the lamps for more than a few minutes unless adequate shielding or other safety precautions are used.

Stay clear of moving mast.

Do not grasp the cable.

Use proper lifting techniques when lifting and positioning the tongue of the machine.

Always replace the protective lamp cover after replacing the lamp bulbs.

▲ Fall Hazards

Do not climb or stand on any part of the light tower during maintenance or operation.

▲ Traffic Hazards

Stand clear of traffic when starting or checking the unit along the road.

▲ Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Do not use a machine with a worn, frayed, kinked or damaged cable.

Conduct a thorough pre-operation inspection of the machine and test all functions before each work shift. Immediately tag and remove from service a damaged or malfunctioning machine.

Be sure all maintenance has been performed as specified in this manual and the appropriate Terex service manual.

Be sure the operator's manual is complete, legible and in the storage container located on the machine.

Be sure all decals are in place and legible.

Do not modify or alter the light tower without the prior written permission of the manufacturer.

Work Area Safety

▲ Component Damage Hazards

Do not turn the lights on unless the engine is running. Always turn the lights off before shutting down the engine.

Do not tow the light tower while the lamps are hot. Hot lamps will break if moved.

Do not replace lamp bulbs with any bulbs other than those specified on the machine and in this manual.

Note: Lamp bulbs contain mercury (Hg). Dispose of lamp bulbs according to local, state and federal laws.

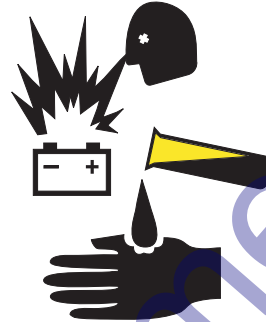
Do not extend the mast when both red lines are visible on mast.

Do not retract a raised mast while the mast retaining pin is engaged.

Be sure lamp fixture connections are properly tightened before turning lights on.

▲ Battery Safety

Burn Hazards



Batteries contain acid. Always wear protective clothing and eye wear when working with batteries.

Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

Do not use any battery charger greater than 12V to charge the battery.

Do not remove the vent caps from the battery when charging.

Do not expose the batteries or the charger to water or rain during charging.

Explosion Hazards



Keep sparks, flames and lighted tobacco away from batteries. Batteries emit explosive gas.

Do not contact the battery terminals or the cable clamps with tools that may cause sparks.

Work Area Safety

Electrocution/Burn Hazards

Avoid contact with electrical terminals.

Inspect the power cord for damage prior to each use.

Replace any damaged cord before operating.

Do not allow the power cord to become caught or crushed while raising, lowering or rotating the mast.

Avoid electrical shock from contact with battery terminals. Remove all rings, watches and other jewelry.

Lifting Hazard

Use the appropriate number of people and proper lifting techniques when lifting batteries.

▲ Towing Hazards

Read, understand and obey all of your tow vehicle manufacturer's recommendations, warnings and instructions before towing this machine.

Do not tow the machine unless the mast is retracted and lowered to the horizontal position and the travel lock pin is secured.

Do not tow the machine unless all outriggers have been retracted and stowed.

Do not overload your tow vehicle. Check the manufacturer's Gross Vehicle Weight Rating (GVWR). To obtain the gross vehicle weight, add the tongue weight of the trailer to the vehicle weight (including vehicle, passengers and cargo).

Do not load cargo on the machine. The light tower is not designed to carry any extra cargo.

Be sure the hitch is securely attached to the tow vehicle.

Be sure the safety chains (if required) are securely attached to the tow vehicle.

Be sure that all driving lights are operational.

Be sure all hitch components, lights and mirrors and methods of attaching the trailer to the tow vehicle conform to local, state and federal regulations.

Do not tow the machine on public roads unless it meets all governmental regulations for towing.

Do not exceed 60 mph / 97 km/h. Obey all local and national towing speed laws.

Be sure to chock the wheels when parking on a hill.

Use extreme care and slow speeds while towing across uneven terrain, debris, holes or drop-offs.

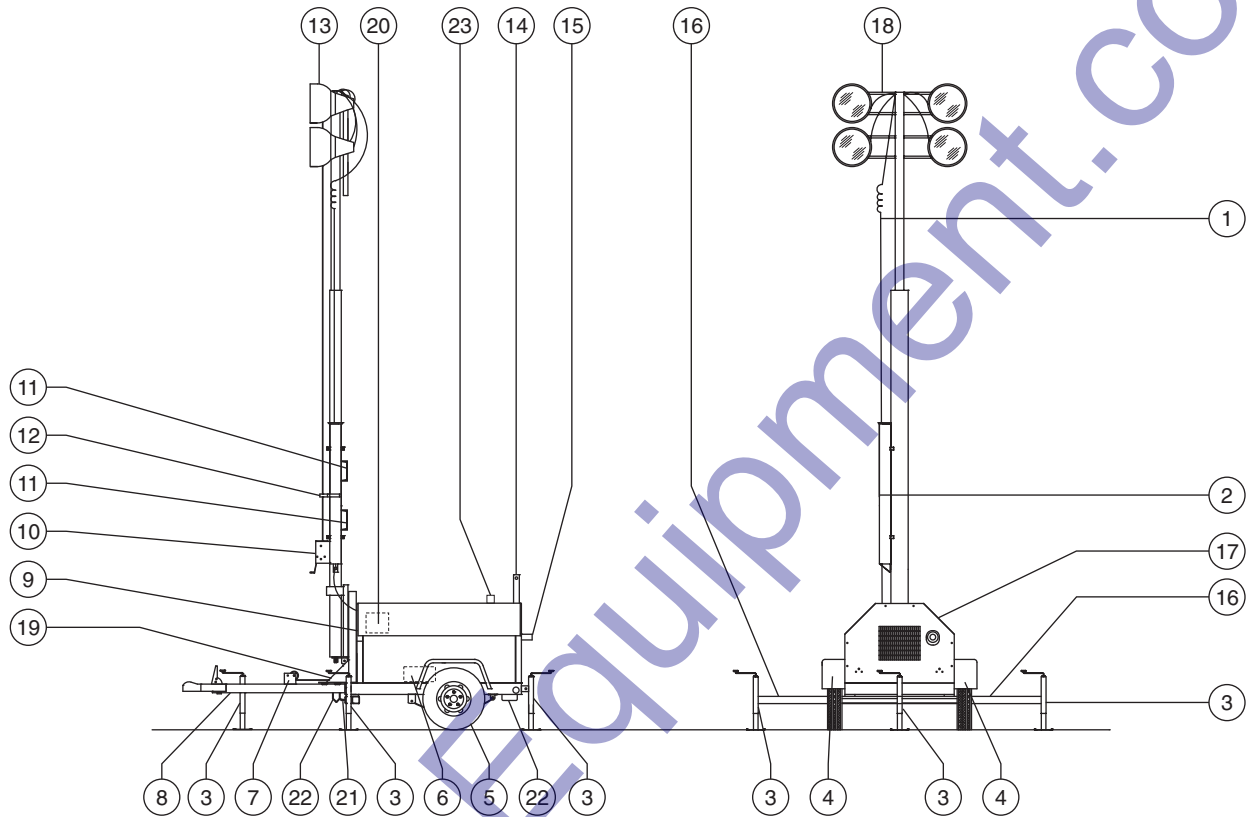
Note: Do not tow machine when engine is running! This can cause severe engine/radiator damage and WILL NOT BE COVERED UNDER WARRANTY!

Lockout After Each Use

When leaving the machine unattended, secure from unauthorized use. Unauthorized personnel may attempt to operate the machine without proper instruction, creating an unsafe condition.

Legend

Legend - RL4, RL4S & RL4000



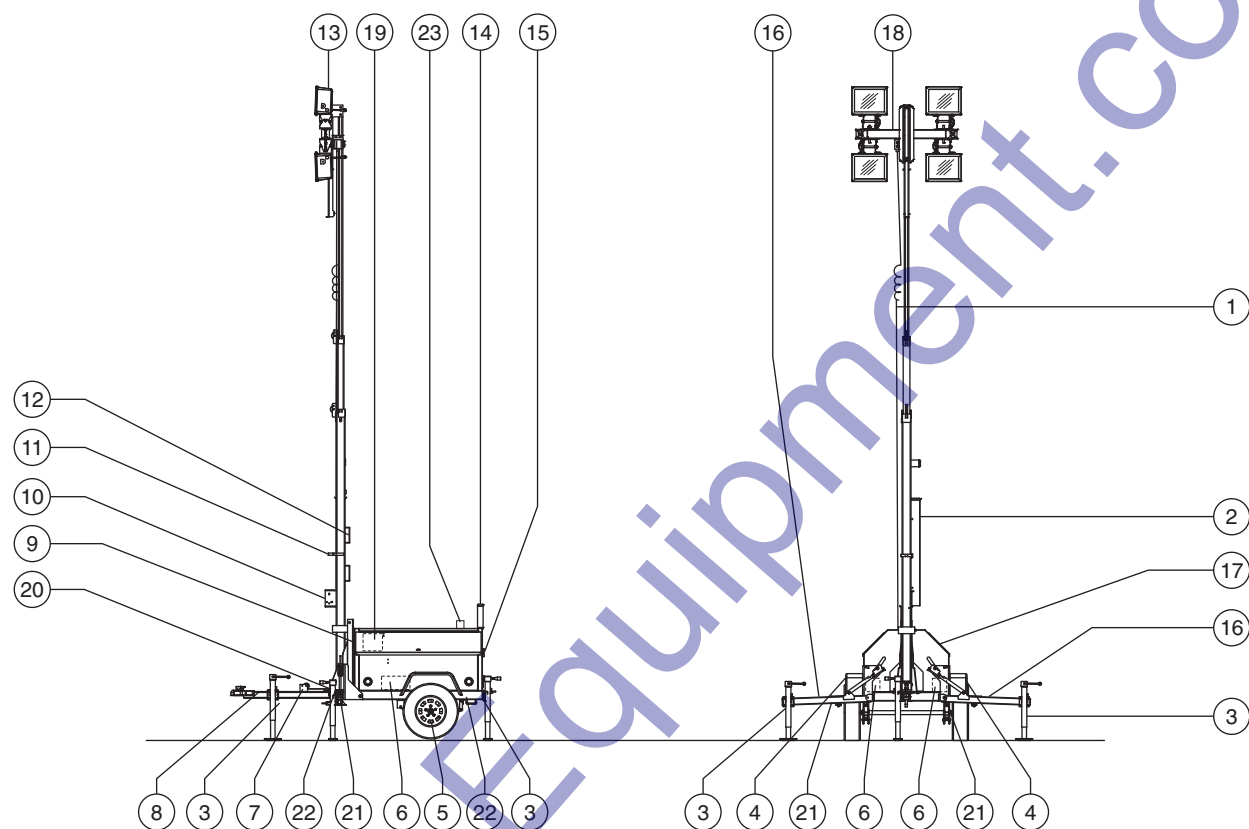
- 1 Coil cord
- 2 Coil cord sleeve
- 3 Leveling jack
- 4 Fender
- 5 Tire
- 6 Ballast (located inside cabinet)
- 7 Raise/lower winch
- 8 Tongue with trailer hitch
- 9 Roadside door
- 10 Extend/retract winch
- 11 Forklift pockets

- 12 Lifting eye
- 13 Lamps
- 14 Upper retaining bar
- 15 Muffler
- 16 Outrigger
- 17 Curbside door
- 18 Light bar
- 19 Lower retaining pin
- 20 Control panel (located inside cabinet)
- 21 Spring pin
- 22 Tie-downs
- 23 Auto start beacon (if equipped with auto start)



Legend

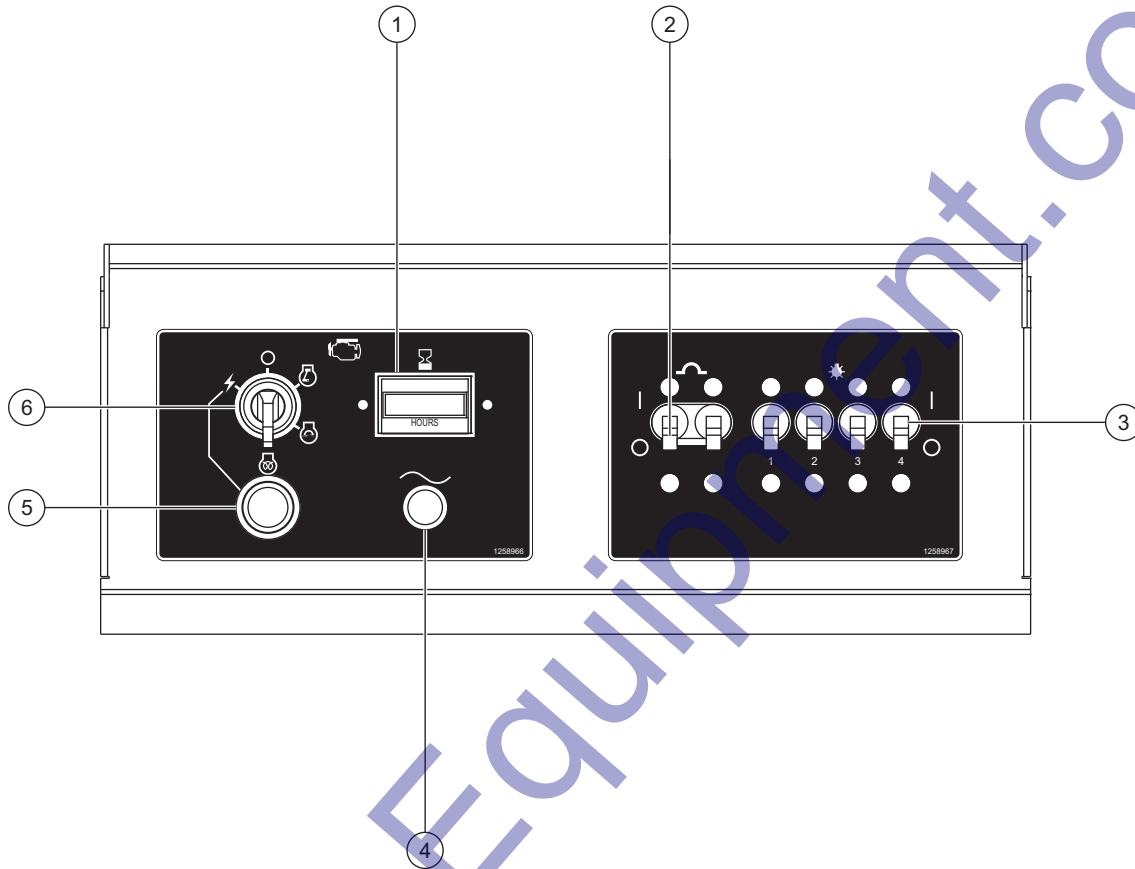
Legend - TML-4000



- 1 Coil cord
- 2 Coil cord sleeve
- 3 Leveling jack
- 4 Fender
- 5 Tire
- 6 Ballast (located inside cabinet)
- 7 Raise/lower winch
- 8 Tongue with trailer hitch
- 9 Roadside door
- 10 Extend/retract winch
- 11 Lifting eye

- 12 Forklift pockets
- 13 Lamps
- 14 Upper retaining bar
- 15 Muffler
- 16 Outrigger
- 17 Curbside door
- 18 Light bar
- 19 Control panel (located inside cabinet)
- 20 Lower retaining pin
- 21 Outrigger release pin
- 22 Tie-downs
- 23 Auto start beacon (if equipped with auto start)

Controls



Control Panel - Standard (from serial number RL415-12445)

1 Hour meter

The hour meter displays the number of hours the machine has operated.

2 Main circuit breaker

Move the main circuit breaker switch up on the control panel before turning the individual light switches on or before attempting to use the convenience receptacles.

3 Light switches

Move each light switch up to turn on the indicated light. Move each light switch down to turn off the indicated light.

4 Alternator failure light

Light on indicates that the engine's DC alternator isn't producing enough voltage.

Controls

5 Engine prime button

With the ignition switch in the run position, press and hold the prime button for 15 seconds before starting the engine. Release the prime button when the engine starts.

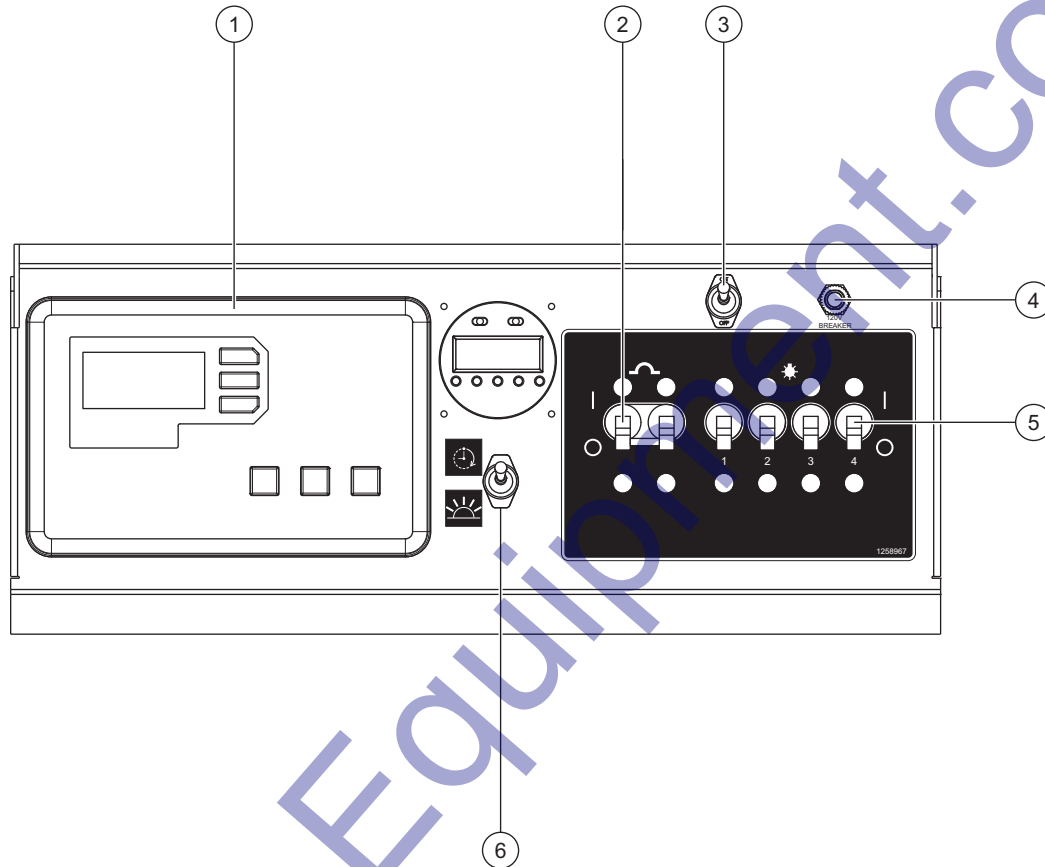
6 Ignition switch for engine

Turn the ignition switch to the prime position and hold the engine prime button down to prime the engine.

Hold the prime button down and turn the ignition switch to the start position to start the engine.

Turn the ignition switch to the off position to turn the engine off.

Controls



Control Panel – Auto start option (from serial number RL415-12445)

1 DynaGen controller

The DynaGen controller digitally controls and monitors the engine functions.

2 Main circuit breaker

Move the main circuit breaker switch up on the control panel before turning the individual light switches on or before attempting to use the convenience receptacles.

3 +12VDC Power toggle switch

Controls the on/off function of the DynaGen controller.

4 Mini breaker, 120V

Pop-out style breaker. Push in button to insure DynaGen controller is ready for use.

Controls

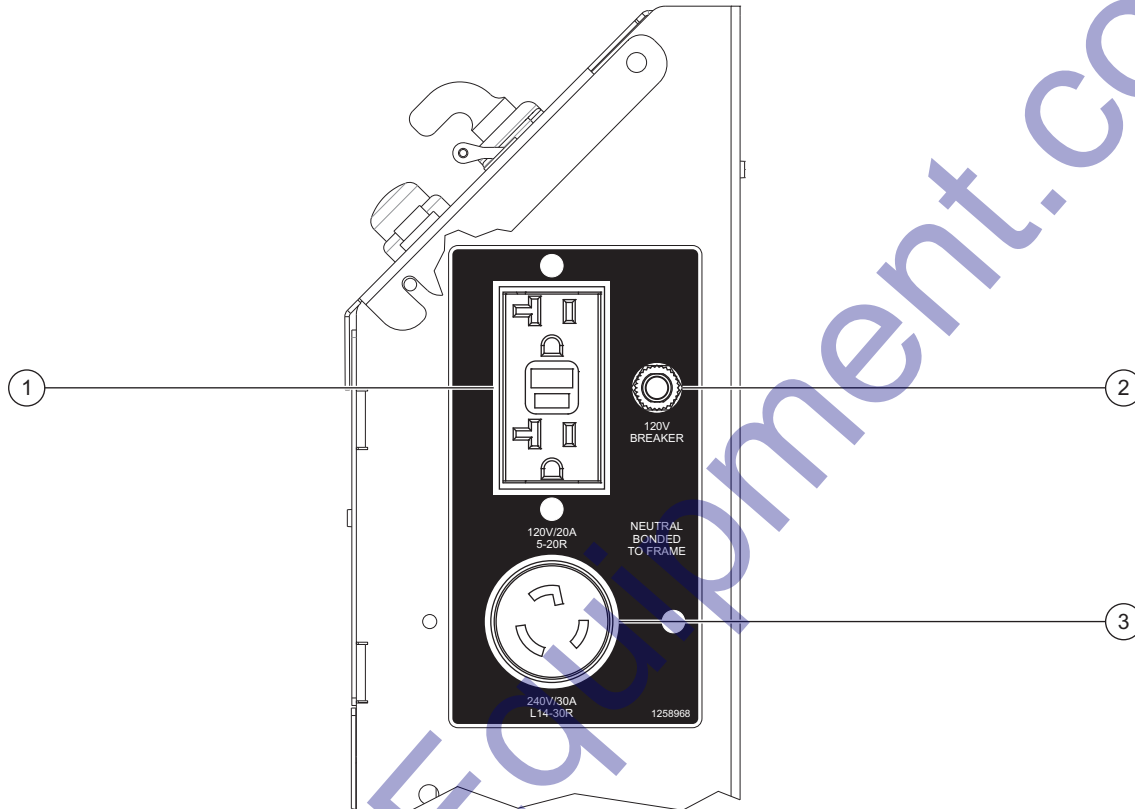
5 Light switches

Move each light switch up to turn on the indicated light. Move each light switch down to turn off the indicated light.

6 Auto start mode control switch

Placing the switch in the UP position will select the timer function and when placed in the DOWN position this will select the photocell function. The MID/OFF position is used for manual starting of the engine. When the photocell is turned on, the lights will go on at dusk and go off at daylight.

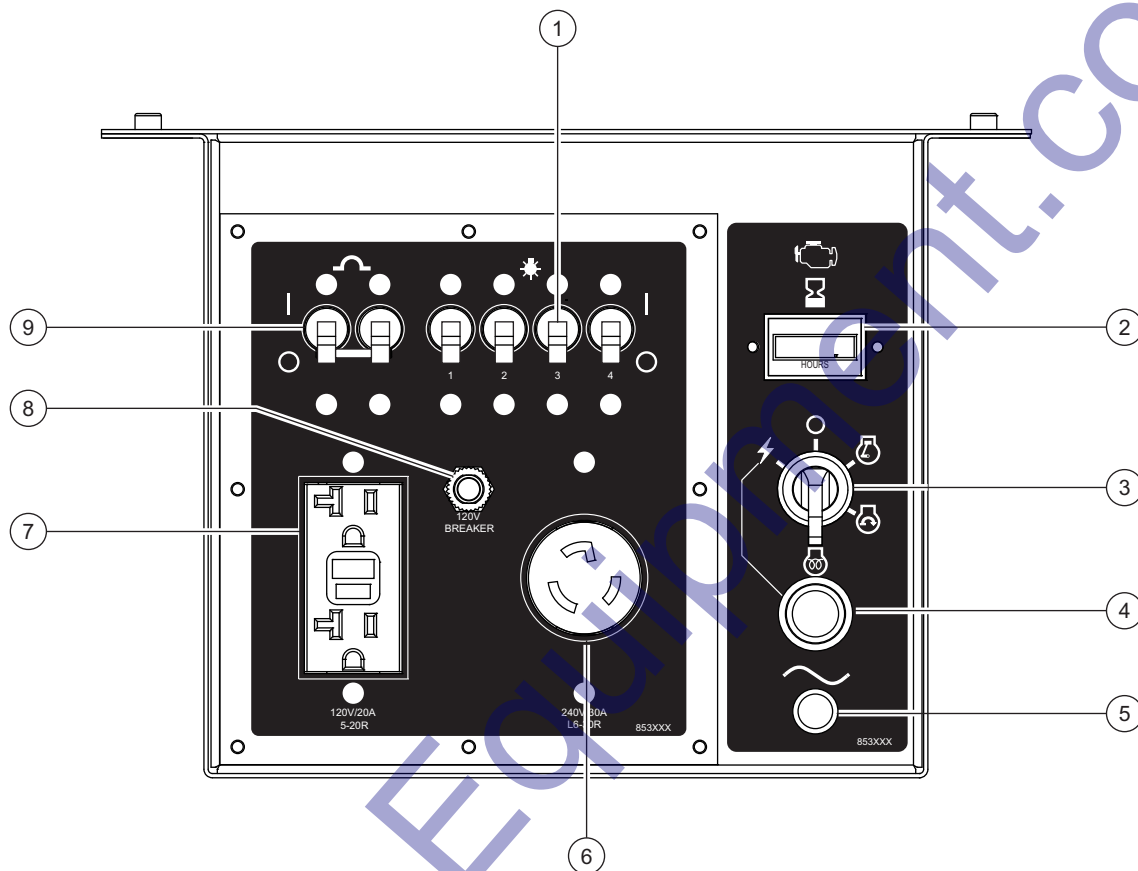
Controls



Control Panel – Side with GFCI and T-lock receptacles (from serial number RL415-12445)

- 1 Duplex receptacle with GFI, 120V/20A
Convenience duplex receptacle with Ground Fault Interrupter (GFI).
- 2 Mini breaker, 120V
Pop-out style breaker. Push in button to insure GFI receptacle is ready for use.
- 3 T-lock receptacle, 240V/30A

Controls



Control Panel (before serial number RL415-12445)

1 Light switches

Move each light switch up to turn on the indicated light. Move each light switch down to turn off the indicated light.

2 Hour meter

The hour meter displays the number of hours the machine has operated.

3 Ignition switch for engine

Turn the ignition switch to the prime position and hold the engine prime button down to prime the engine.

Hold the prime button down and turn the ignition switch to the start position to start the engine.

Turn the ignition switch to the off position to turn the engine off.

Controls

4 Engine prime button

With the ignition switch in the run position, press and hold the prime button for 15 seconds before starting the engine. Release the prime button when the engine starts.

5 Alternator failure light

Light on indicates that the engine's DC alternator isn't producing enough voltage.

6 T-lock receptacle, 240V/30A

7 Duplex receptacle with GFI, 120V/20A

Convenience duplex receptacle with Ground Fault Interrupter (GFI).

8 Mini breaker, 120V

Pop-out style breaker. Push in button to insure GFI receptacle is ready for use.

9 Main circuit breaker

Move the main circuit breaker switch up on the control panel before turning the individual light switches on or before attempting to use the convenience receptacles.

Inspections



Do Not Operate Unless:

- ☑ You learn and practice the principles of safe machine operation contained in this operator's manual.

1 Avoid hazardous situations.

2 Always perform a pre-operation inspection.

Know and understand the pre-operation inspection before going on to the next section.

3 Always perform function tests prior to use.

4 Inspect the workplace.

5 Only use the machine as it was intended.

Pre-operation Inspection Fundamentals

It is the responsibility of the operator to perform a pre-operation inspection and routine maintenance.

The pre-operation inspection is a visual inspection performed by the operator prior to each work shift. The inspection is designed to discover if anything is apparently wrong with a machine before the operator performs the function tests.

The pre-operation inspection also serves to determine if routine maintenance procedures are required. Only routine maintenance items specified in this manual may be performed by the operator.

Refer to the list on the next page and check each of the items.

If damage or any unauthorized variation from factory delivered condition is discovered, the machine must be tagged and removed from service.

Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications. After repairs are completed, the operator must perform a pre-operation inspection again before going on to the function tests.

Scheduled maintenance inspections shall be performed by qualified service technicians, according to the manufacturer's specifications and the requirements listed in the responsibilities manual.

Inspections

Pre-operation Inspection

- ☐ Be sure that the operator's manual is complete, legible and in the storage container located on the machine.
- ☐ Be sure that all decals are legible and in place. See Inspections section.
- ☐ Check for engine oil leaks and proper fluid level. Add oil if needed. See Maintenance section.
- ☐ Check for engine coolant leaks and proper coolant level. Add coolant if necessary. See Maintenance section.
- ☐ Check for battery fluid leaks and proper fluid level. Add distilled water if needed. See Maintenance section.
- ☐ Check for proper tire pressure and lug nut torque. Add air to tires if needed. See Maintenance section.

Check the following components or areas for damage, improperly installed or missing parts and unauthorized modifications:

- ☐ Electrical components, wiring and electrical cables
- ☐ Mast components
- ☐ Mast locking pins
- ☐ Latches and pins
- ☐ Tires and wheels
- ☐ Trailer lights and reflectors
- ☐ Outriggers, leveling jacks and foot pads
- ☐ Winch

- ☐ Nuts, bolts and other fasteners
- ☐ Lamp fixtures, connections and bulbs
- ☐ Cable (kinks, frays and abrasions)
- ☐ Safety chains
- ☐ Engine and related components
- ☐ Fuel tanks
- ☐ Generator
- ☐ Grounding rod and lug

Check entire machine for:

- ☐ Cracks in welds or structural components
- ☐ Dents or damage to machine
- ☐ Excessive rust, corrosion or oxidation
- ☐ Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.
- ☐ Be sure the that the battery is in place and properly connected.
- ☐ After you complete your inspection, be sure that all compartment covers are in place and latched.

Inspections



Do Not Operate Unless:

- ☒ You learn and practice the principles of safe machine operation contained in this operator's manual.

- 1 Avoid hazardous situations.
- 2 Always perform a pre-operation inspection.
- 3 **Always perform function tests prior to use.**

Know and understand the function tests before going on to the next section.

- 4 Inspect the workplace.
- 5 Only use the machine as it was intended.

Function Test Fundamentals

The function tests are designed to discover any malfunctions before the machine is put into service. The operator must follow the step-by-step instructions to test all machine functions.

A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

After repairs are completed, the operator must perform a pre-operation inspection and function tests again before putting the machine into service.

Inspections

Function Tests

Setup

- 1 Position the light tower at the desired work site.
- 2 Chock the wheels.
- 3 Disconnect the trailer lights and the safety chains.
- 4 Open the latch on the trailer hitch.
- 5 Pull the release pin on the tongue jack and rotate into vertical position.
- 6 Turn the leveling jack handle to lower the front outrigger foot pad and raise the tongue of the machine enough to clear the tow vehicle.
- 7 **RL4 & RL4000:** Release the spring pin on the side outriggers and slide them out into the deployed position. Make sure the outriggers are locked in place. Rotate the leveling jack into position.

TML-4000: Pull the release pin on the side outriggers and lower them to the ground. Rotate the leveling jack into position.

Note: the outriggers are not designed to lift the tires of the unit off the ground.

- 8 Turn the leveling jack handles to level the machine. Level the machine using only the leveling jacks

Note: the outriggers are not designed to lift the tires of the unit off the ground.

- 9 Check the bubble level (if equipped) on the front of the machine to make sure the machine is level.

Note: This machine should be grounded in accordance with all local electrical codes. Consult the local electrical codes or authority having jurisdiction in the area where the machine will be used for specific requirements.

Test Machine Functions

By raising and extending, then retracting and lowering the mast back to the horizontal position, the following functions will be tested: **winches, latches, mast extension and mast rotation.**

- 10 Remove the cotter pin and the upper retaining pin from the top of the mast.
- 11 Turn the raise/lower winch handle clockwise until the mast raises approximately 2 feet / 60 cm.
 - ⊙ Result: A clicking sound should be heard as the mast raises.
- 12 Release the winch handle.
 - ⊙ Result: The winch brake should hold the mast.
- 13 Continue to turn the winch handle clockwise until the lower retaining bar locks into the mast.
 - ⊙ Result: The mast sections should raise smoothly, free of hesitation or binding.
- 14 Insert the lower retaining pin through mast supports. Insert the cotter pin through retaining pin.



Inspections

- 15 Turn the extend/retract winch handle clockwise until the mast extends approximately 2 feet / 60 cm.
 - ⊙ Result: A clicking sound should be heard as the winch handle is turned.
- 16 Release the winch handle.
 - ⊙ Result: The winch brake should hold the mast.
- 17 Continue to turn the winch handle clockwise until the mast reaches full vertical position.
 - ⊙ Result: The mast sections should extend smoothly, free of hesitation or binding.
- 18 Turn the T-handle to release the mast rotation lock.
- 19 Rotate the mast clockwise and then counterclockwise as far as it will go in either direction.
 - ⊙ Result: The mast should rotate smoothly and easily in both directions.
- 20 Rotate the mast to line up the arrows on the front of the mast.
- 21 Tighten the T-handle to secure the mast.
- 22 Attempt to rotate the mast in both directions.
 - ⊙ Result: The mast should not rotate.
- 23 Turn the extend/retract winch handle counterclockwise until the mast sections are fully retracted.
 - ⊙ Result: No clicking sound should be heard when the winch handle is turned.
- 24 Remove the cotter pin and lower retaining pin.
- 25 Begin lowering the mast to the horizontal position by turning the raise/lower winch handle counterclockwise.
 - ⊙ Result: No clicking sound should be heard when the winch handle is turned.
- 26 Turn the winch handle counterclockwise until the mast is lowered into the travel lock.
- 27 Insert the lower retaining pin into the mast support and install the cotter pin to secure.

Test the Lights

- 28 Make sure the circuit breakers and the light switches are in the off position.

Note: Be sure the lamp fixture connections are properly tightened before turning the lights on.
- 29 Start the engine. See Starting the Engine in the Operating Instructions section.
- 30 Turn the main circuit breakers to the on position.
- 31 Turn the light switches to the on position.
 - ⊙ Result: The lights should come on.

Note: It can take up to 20 minutes for the lights to reach full intensity. If the lights are turned off and turned back on while they are still warm, they will not light up again for 20-30 minutes.

Note: Make sure the circuit breaker and the light switches are turned off before shutting down the engine.

Inspections



Do Not Operate Unless:

- ☒ You learn and practice the principles of safe machine operation contained in this operator's manual.

- 1 Avoid hazardous situations.
- 2 Always perform a pre-operation inspection.
- 3 Always perform function tests prior to use.

4 Inspect the workplace.

Know and understand the workplace inspection before going on to the next section.

- 5 Only use the machine as it was intended.

Workplace Inspection Fundamentals

The workplace inspection helps the operator determine if the workplace is suitable for safe machine operation. It should be performed by the operator prior to moving the machine to the workplace.

It is the operator's responsibility to read and remember the workplace hazards, then watch for and avoid them while moving, setting up and operating the machine.

Workplace Inspection Checklist

Be aware of and avoid the following hazardous situations:

- ☐ drop-offs or holes
- ☐ bumps, floor obstructions or debris
- ☐ sloped surfaces
- ☐ unstable or slippery surfaces
- ☐ overhead obstructions and high voltage conductors
- ☐ hazardous locations
- ☐ inadequate surface support to withstand all load forces imposed by the machine
- ☐ wind and weather conditions
- ☐ the presence of unauthorized personnel
- ☐ other possible unsafe conditions

Inspections

Inspection for Decals with Words

Determine whether the decals on your machine have words or symbols. Use the appropriate inspection to verify that all decals are legible and in place.

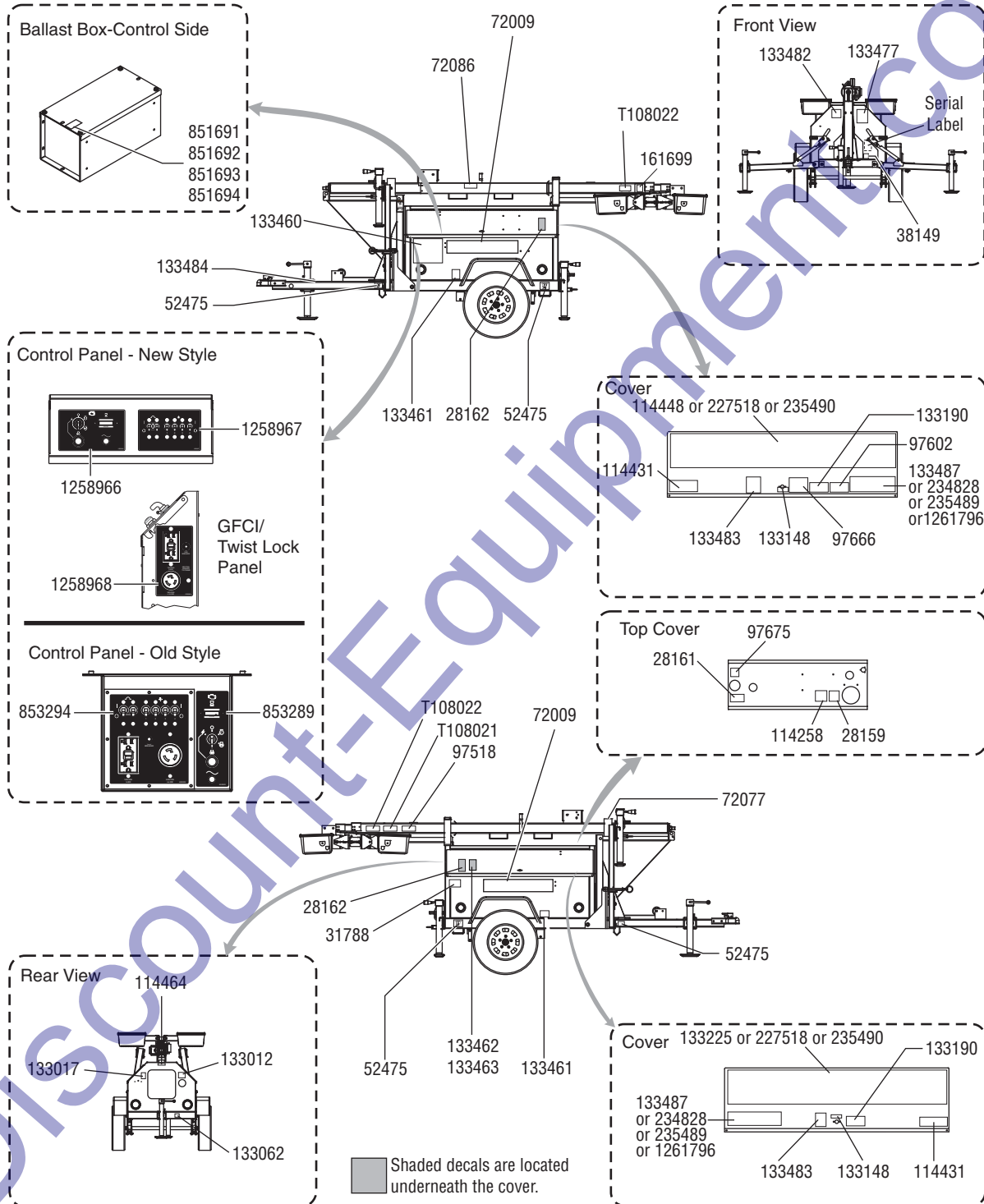
Below is a numerical list with quantities and descriptions.

Part No.	Decal Description	Qty
28159	Label – Diesel	1
28161	Warning – Crushing Hazard	1
28162	Warning – Bodily Injury Hazard	2
31788	Danger – Explosion/Burn Hazard	1
52475	Label – Transport Tie-down	4
72009	Cosmetic – Genie Logo, Blue, TML	2
72077	Label – Line Up Arrows	2
72086	Label – Lifting Point	1
97518	Instruction – Lamp Disposal	1
97602	Warning – Explosion Hazard	1
97666	Warning – Improper Operation	1
97675	Warning – Burn Hazard, Hot Components	1
114258	Danger – Explosion Hazard	1
114431	Danger – Electrocution hazard	2
114448	Cosmetic – Terex Logo, Road Side (RL4000)	1
114464	Label – Travel lock	1
133012	Danger – Burn/Carbon Monoxide Hazard	1
133017	Warning – Crushing Hazard	1
133062	Label – Ground	1
133148	Danger – Electrocution hazard	2
133190	Auto Start (Option)	2

Part No.	Decal Description	Qty
133225	Cosmetic – Terex Logo, Curb Side (RL4000)	1
133460	Instruction – Operating Instructions	1
133461	Instruction – Tire Specifications	2
133462	Instruction – Perkins Engine Specifications	1
133463	Instruction – Kubota Engine Specifications	1
133477	Warning – Collision Hazard	1
133482	Warning – Tip-over Hazard, Outriggers	1
133483	Warning – Burn Hazard	2
133484	Warning – Tow Speed	1
133487	Cosmetic – RL4000	2
161699	Danger – Electrocution Hazard	1
227518	Cosmetic – Terex Logo	2
234828	Cosmetic – RL4	2
235489	Cosmetic – RL4, Black and White	2
235490	Cosmetic – Genie Logo	2
851691	Label – #1	1
851692	Label – #2	1
851693	Label – #3	1
851694	Label – #4	1
853294	Label – AC Control Panel	1
853289	Label – Engine Control Panel	1
1258966	Label – Engine Control Panel	1
1258967	Label – AC Control Panel	1
1258968	Label – GFCI / Twist Lock Panel	1
1261796	Cosmetic - RL4S	2
T108021	Warning – Bodily Injury Hazard	1
T108022	Warning – Burn hazard	2

■ Shading indicates decal is hidden from view, i.e. under covers

Inspections




Inspections

Inspection for Decals with Symbols

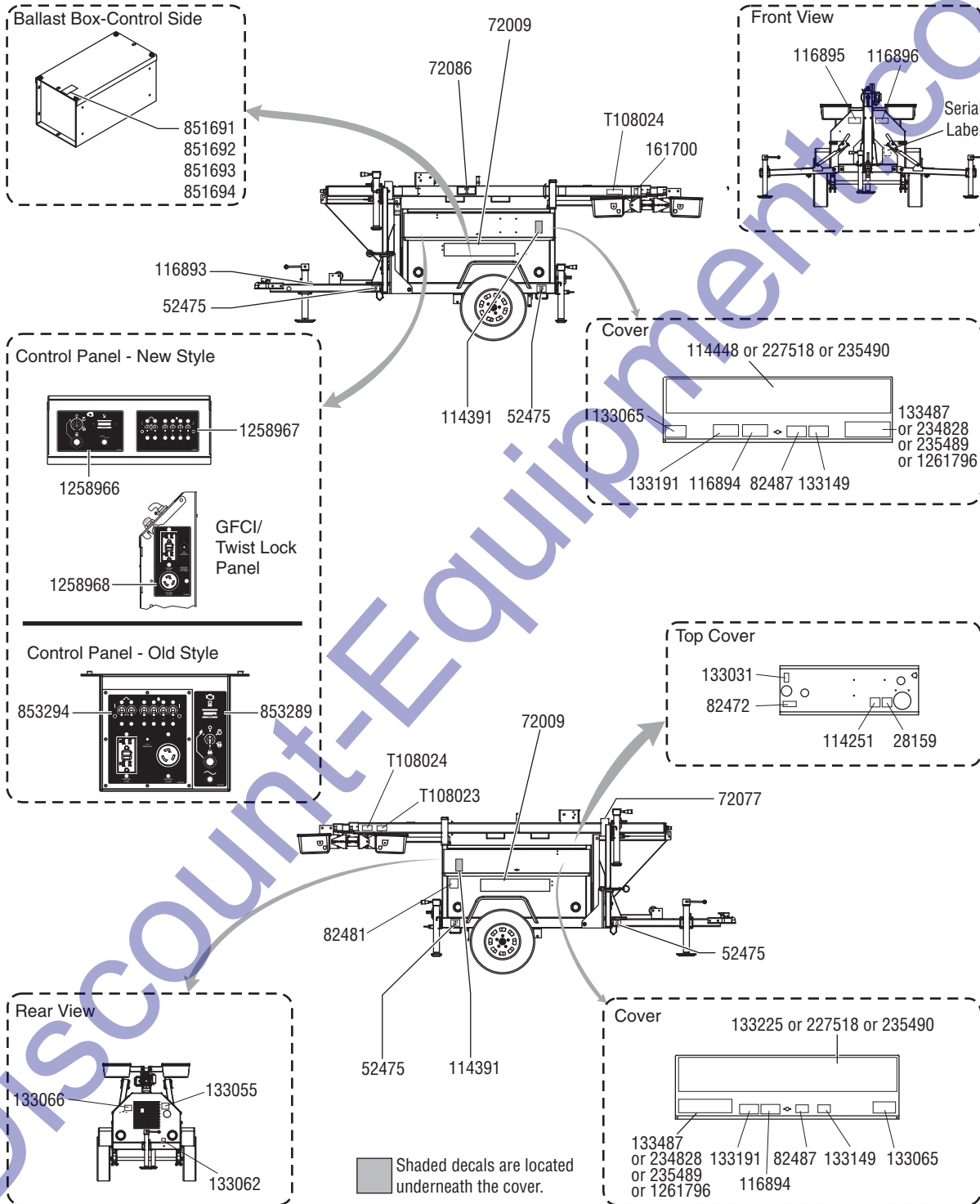
Determine whether the decals on your machine have words or symbols. Use the appropriate inspection to verify that all decals are legible and in place.

Part No.	Decal Description	Qty
28159	Label – Diesel	1
52475	Label – Transport Tie-down	4
72009	Cosmetic – Genie Logo, Blue, TML	2
72077	Label – Line Up Arrows	2
72086	Label – Lifting Point	1
82472	Label – Crushing Hazard	1
82481	Label – Battery/Charger Safety	1
82487	Label – Read the Manual	2
114251	Label – Explosion Hazard	1
114391	Label – Bodily Injury Hazard	2
114448	Cosmetic – Terex Logo, Road Side (RL4000)	1
116893	Label – Tow Speed	1
116894	Warning – Burn Hazard	2
116895	Label – Tip-over Hazard, Outriggers	1
116896	Warning – Collision Hazard	1
116901	Label – AC Control Panel	1
116902	Label – Engine Control Panel	1
133031	Label – Burn Hazard	1

Part No.	Decal Description	Qty
133055	Label – Burn/Carbon Monoxide Hazard	1
133062	Label – Ground	1
133064	Danger – Electrocuting Hazard	1
133065	Label – Electrocuting Hazard	2
133066	Label – Crushing Hazard	1
133149	Label – Electrocuting Hazard	2
133191	Auto Start (Option)	2
133225	Cosmetic – Terex Logo, Curb Side (RL4000)	1
133487	Cosmetic – RL4000	2
161700	Label – Electrocuting Hazard	1
227518	Cosmetic – Terex Logo	2
234828	Cosmetic – RL4	2
235489	Cosmetic – RL4, Black and White	2
235490	Cosmetic – Genie Logo	2
851691	Label – #1	1
851692	Label – #2	1
851693	Label – #3	1
851694	Label – #4	1
1258966	Label – Engine Control Panel	1
1258967	Label – AC Control Panel	1
1258968	Label – GFCI / Twist Lock Panel	1
1261796	Cosmetic - RL4S	2
T108023	Label – Bodily Injury Hazard	1
T108024	Label – Burn Hazard	2

 Shading indicates decal is hidden from view, i.e. under covers

Inspections



Operating Instructions



Do Not Operate Unless:

- ☒ You learn and practice the principles of safe machine operation contained in this operator's manual.
 - 1 Avoid hazardous situations.
 - 2 Always perform a pre-operation inspection.
 - 3 Always perform function tests prior to use.
 - 4 Inspect the workplace.
 - 5 **Only use the machine as it was intended.**

Fundamentals

The Operating Instructions section provides instructions for each aspect of machine operation. It is the operator's responsibility to follow all the safety rules and instructions in the operator's, safety and responsibilities manuals.

Only trained and authorized personnel should be permitted to operate a machine. If more than one operator is expected to use a machine at different times in the same work shift, they must all be qualified operators and are all expected to follow all safety rules and instructions in the operator's, safety and responsibilities manuals. That means every new operator should perform a pre-operation inspection, function tests, and a workplace inspection before using the machine.

Operating Instructions

Setup

Make sure the machine is set up according to the Setup procedure in the Function Test section.

Starting the Engine

Note: The main circuit breaker and the light switches must be off before starting the engine.

Note: There must be fuel in the fuel tank in order to start the engine.

Note: If the machine is equipped with dual fuel tanks, there must be fuel in both tanks in order to start the engine.

Engine Start (machines with manual key switch start)

- 1 Move the ignition switch to the prime position.
- 2 Press and hold the prime button for 7 seconds.
- 3 Move the ignition switch to the run position.
- 4 Press and hold the prime button for 15 seconds.

Note: Never preheat the engine for more than 30 seconds. Damage may be done to the glow plugs.

- 5 While holding down the prime button, move the ignition switch to engine start position.

Note: To avoid damage, never operate the starter for more than 45 seconds when starting the engine.

Engine Shutdown (machines with manual key switch start)

- 1 Turn the lights off using the individual light switches.

Note: After being turned off, the lights must be allowed to cool down before turning them on again. This cool down period can take between 10 and 25 minutes depending on the ambient temperature.

- 2 Allow the engine to run for 1 to 5 minutes under no load.

Note: Never shut the engine down while under load. This can damage the AC generator.

- 3 Turn the ignition switch to the engine off position.

Manual Engine Start (machines with auto start option)

- 1 Move the +12 VDC power toggle switch to the on position.
- 2 Place the auto start mode select toggle switch to the mid/off position.
- 3 The DynaGen TG350 module will start and run diagnostics.
- 4 Once the diagnostic test is complete, press the start button on the DynaGen TG350 module.
- 5 To stop the engine press the off button on the DynaGen TG350 module.

Note: There will be a delay of about 30 seconds before the engine starts.

Operating Instructions

Manual Engine Start (machines with auto start option)

- 1 Move the +12 VDC power toggle switch to the on position.
- 2 The DynaGen TG350 module will start and run diagnostics.
- 3 Move the auto start mode select toggle to the timer position (up) or the photocell position (down).
- 4 Press the auto push button on the DynaGen TG350 module.
- 5 The DynaGen TG350 will then await a start signal from either the selected timer or photocell.

Note: Timer must be programmed prior to use.

Setting the DynaGen Timer (machines with auto start option)

This time clock provides flexible timing for daily and/or weekly programming. Setting the timer is simple and fast by means of push buttons and display prompts. This timer combines 24 hour/7 day timing. Up to 8 on/off operations are allowed for each day for a total of up to 56 switching cycles per week.

Minimum time setting is 1 minute. Lithium battery provides 5 year backup.

Note: to save time you can set up each on/off cycle;

- to be unique for each individual day, or
- for Monday to Friday (days 1 to 5), or
- for weekends only (days 6 & 7), or
- for all days except Sunday (days 1 to 6) , or ...
- the entire week at one time. This can save a lot of time when programming the "on" and "off" cycles.

Directions: slide the "RUN" switch to "P"

- 1 Press the (1...7) seven times and notice a single arrow will move in steps below the 1-7 numbers, indicating the individual days of the week
- 2 The next time you press the button you will see days 1 to 5 highlighted with arrows (Monday to Friday).
- 3 The next time you press (1...7) you will see arrows highlighting 6 and 7 (weekends).
- 4 The next time you press (1...7) you will see arrows highlighting all days except Sunday
- 5 The next time you press (1...7) you will see arrows highlighting all days of the week.

Setting the current time and current day:

- 6 Slide RUN switch to left symbol of clock face.
- 7 Press (1...7) button until arrow points to current day (1=Monday, 2=Tuesday, etc.). Press (h) then (m) buttons to set the current time. The PM indicator shows noon to 11:59 p.m.
- 8 Slide RUN switch to (run). The clock colon will blink between the hours and minutes.

Setting each cycle to switch on:

- 9 Slide the RUN switch to (P), a (1) indicates this is the first switch cycle and a bulb icon indicates a switch-on condition (circuit closes). Odd numbers indicate a switch-on cycle.
- 10 Press 1...7 button until arrows point to selected day(s) you want this ON cycle to occur. See the section above "Setting the current time and current day"
- 11 Press (h) and (m) buttons to show switch-on time, noting the PM indicator.

Operating Instructions

Setting each cycle to switch off:

- 12 Slide RUN switch to (P) press (p) button, note switch cycle number changes to 2 and bulb blinks, indicating switch-off (circuit opens). Even numbers indicate a switch-off cycle.
- 13 Press (1...7) button until arrows point to selected day(s) you want this OFF cycle to occur.
- 14 Press (h) and (m) button to select-switch-off time.

Remember you can repeat the above steps to program up to 8 on/off events for each day of the week. By pressing the lower (P) button you can advance to the desired on/off cycle.
- 15 Slide RUN switch to RUN position.
- 16 The clock colon will blink.

Autorun mode:

- 17 Set time and day and desired switch cycles.
- 18 Slide set switch to RUN and mode switch to AUTO. Switching will begin with the next switch-on set time.

To switch the override ON:

- 19 Slide mode switch to (I).
- 20 The switch remains on indefinitely (circuit closed).

To switch the override OFF

- 21 Slide mode switch to (O). The switch remains off indefinitely (circuit open).

Skip cycle

- 22 In automatic run mode, press the (X→) button, the next program is skipped.

Setting error:

- 23 If (EEE) appears, a setting error exists. The switch cycle number in error is shown. Slide set switch to p. press button until cycle is shown. review this and the following setting to correct error slide set switch to RUN.

Clear any setting:

- 24 Slide the RUN switch to (P), press the lower (P) button to show switch cycle you want to clear.
- 25 Press (1...7) button until no days are indicated. Repeat for the following switch cycle. This on/off cycle is now inactive.

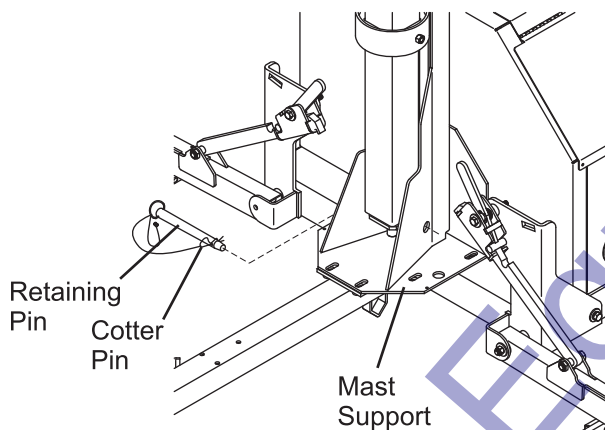
Clear all:

To erase all settings, press (R).

Operating Instructions

Operation of Tower

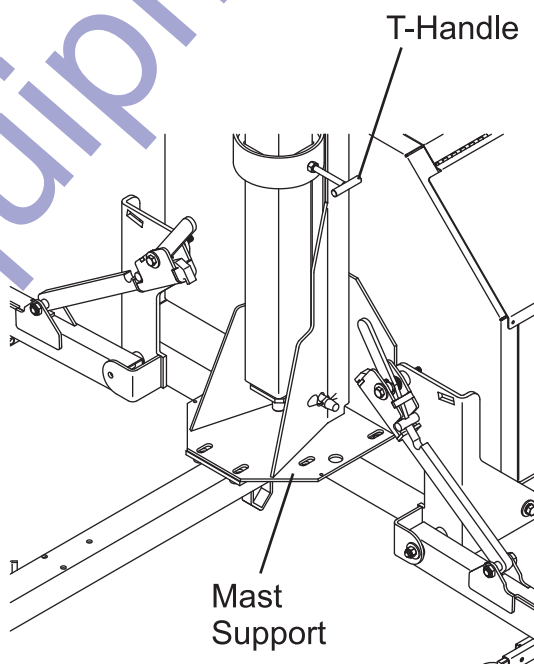
- 1 Remove the cotter pin and the upper retaining pin from the top of the mast.
- 2 Remove the cotter pin and the retaining pin from the mast support.
- 3 Turn the raise/lower winch handle clockwise until the mast reaches vertical position.
- 4 Insert the lower retaining pin through the mast supports. Insert the cotter pin through the retaining pin.



- 5 Turn the extend/retract winch handle clockwise to extend mast sections.

Mast Rotation

- 1 Turn the T-handle to release the mast rotation lock.
- 2 Rotate the mast to the desired position.
- 3 Tighten the T-handle to secure the mast in the desired position.
- 4 Before lowering the mast sections, the blue arrows on the mast must be aligned.
- 5 Release the mast rotation lock and rotate the mast to align the arrows.
- 6 Tighten the T-handle to secure the mast.



Operating Instructions

Operation of Lights

Note: The engine must be running before the lights are turned on.

- 1 Be sure the position of the lights is adjusted before raising the mast.
- 2 Start the engine
- 3 Turn on the main circuit breaker switches on the control panel.
- 4 Turn on the lights using the individual light switches.

Note: Lights can take up to 20 minutes to reach full intensity. If the lights are turned off and turned back on again while still warm, they will not light up again for 20 to 30 minutes.

- 5 Turn the lights off by turning the circuit breaker switches to the off position.
- 6 Make sure the lights are turned off before engine is shut down.

Grounding

If your light tower has the optional grounding rod, drive the grounding rod into the ground and connect to the grounding lug located on the chassis at the rear of the light tower.

Note: This machine should be grounded in accordance with all local electrical codes. Consult the local electrical codes or authority having jurisdiction in the area where the machine will be used for specific requirements.



Electrical Outlets

A 120V/20 amp GFI duplex receptacle and a 240V/30 amp T-lock receptacle are located on the control panel inside the light tower cabinet.

Note: Before plugging in auxiliary power cords, feed them up through the trailer frame and attach to the receptacles. Close the cabinet doors to protect the control panel and other components from weather.

Operating Instructions

Towing

CAUTION: SHUT ENGINE OFF BEFORE MOVING THE LIGHT TOWER! Failure to do so can cause severe engine/radiator damage and WILL NOT BE COVERED UNDER WARRANTY!

- 1 Make sure the mast is rotated to its original position and secured. Line up the arrows on the front of the mast.
- 2 Turn the extend/retract winch handle counterclockwise until the mast sections are fully retracted.
- 3 When the mast sections are fully retracted, remove the cotter pin and the lower retaining pin from the lower mast support.
- 4 Lower the mast by turning the raise/lower winch counterclockwise.
- 5 When the mast is fully lowered, insert the upper retaining pin and the cotter pin.
- 6 Insert the lower retaining pin into the storage hole provided in the mast support and insert the cotter pin.
- 7 Make sure the covers are closed and secured.
- 8 Raise the side outrigger jacks and the rear leveling jack. Rotate them into the stowed and secured position.
- 9 **RL4, RL4S & RL4000:** Release the spring pin on the side outriggers and slide the outriggers into the stowed and secured position. Make sure the outriggers are locked in place.
- 10 **TML-4000:** Pull the release pin on the side outriggers and raise the outriggers into the stowed and secured position. Rotate the leveling jack into the stowed and secured position.
- 11 If the optional grounding rod has been used, unearth and remove the grounding rod from the grounding lug and stow securely inside the cabinet.
- 12 Raise the tongue of the light tower by turning the tongue jack handle.
- 13 Position the transport vehicle under the coupler on the tongue of the light tower.
- 14 Open the latch on the coupler.
- 15 Turn the tongue jack handle to lower the tongue onto the transport vehicle.
- 16 Close the latch on the coupler.
- 17 Rotate the tongue jack to the stowed position and secure with the lock pin.
- 18 Attach the safety chains (if required).
- 19 Connect and test the trailer lights.

Operating Instructions

Towing Information

Driving a vehicle/trailer combination is different from driving a vehicle alone.

Inspect all connections at each stop.

All tires must be properly inflated. Do not overinflate the tires. Tire pressures go up during driving. Checking the tire pressure when the tires are warm will give you an inaccurate pressure reading.

Increase the distance between your vehicle and the vehicle in front of you to twice the normal following distance when towing a trailer. Allow more following distance in adverse weather.

Slow down for downgrades and shift your transmission into a lower gear.

Slow down for curves, hazardous road conditions, freeway exits, and when driving in adverse weather.

Heavy winds, excessive speed, load shifting or passing vehicles can cause a trailer to sway while driving. If this occurs, do not brake, speed up or turn the steering wheel. Turning the steering wheel or applying the brakes can cause the vehicle and trailer to jackknife. Let up on the gas pedal and keep the steering wheel straight.

If the vehicle and/or trailer travels off the paved road, hold the steering wheel firmly and let up on the gas pedal. Do not apply the brakes. Do not turn sharply. Slow down to under 25 mph / 40 km/h. Gradually turn the steering wheel to get back on the road. Proceed with caution when entering traffic.

When passing other vehicles, be sure to leave enough room for the extra length of the trailer. You will need to go much farther beyond the passed vehicle before you can return to your lane.

Avoid sudden movements when turning.



Transport and Lifting Instructions



Observe and Obey:

- ✓ Terex Corporation provides this securement information as a recommendation. Drivers are solely responsible for making sure machines are properly secured and the correct trailer is selected pursuant to US Department of Transportation regulations, other localized regulations, and their company policy.
- ✓ Terex customers needing to containerize any Terex product should source a qualified freight forwarder with expertise in preparing, loading and securing construction and lifting equipment for international shipment.
- ✓ The transport vehicle must be parked on a level surface.
- ✓ The transport vehicle must be secured to prevent rolling while the machine is being loaded.
- ✓ Be sure the vehicle capacity, loading surfaces and chains or straps are sufficient to withstand the machine weight. See the serial label for the machine weight.
- ✓ Common sense and planning must be applied to control the movement of the machine when lifting it with a crane or forklift.

Securing to Truck or Trailer for Transit

Fully retract and lower the mast to the stowed position.

Secure the mast for transport with the travel lock pin.

Fully retract, raise and lock all tongue jacks and outriggers.

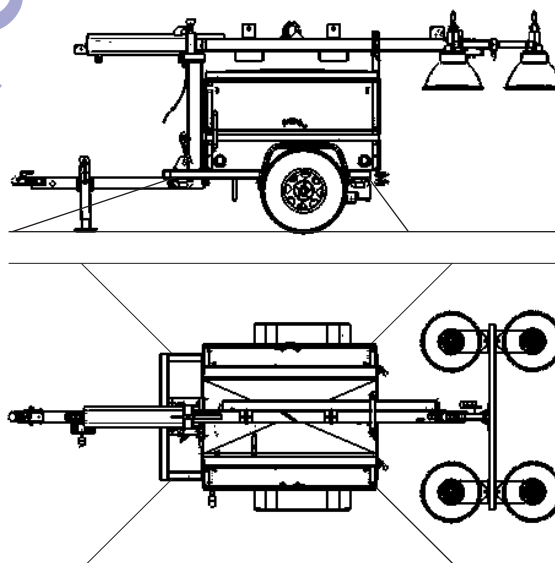
Close and secure the cabinet doors.

Inspect the entire machine for loose or unsecured items.

Use the four tie-down points for anchoring down to the transport surface.

Use a minimum of four chains to secure the light tower.

Adjust the rigging to prevent damage to the chains.



Transport and Lifting Instructions



Observe and Obey:

- ☑ Only qualified riggers should rig the machine.
- ☑ Only certified crane operators should lift the machine and only in accordance with the applicable crane regulations.
- ☑ Be sure the crane capacity, loading surfaces and straps or lines are sufficient to withstand the machine weight. See the serial label for the machine weight.

Lifting the Machine with a Crane

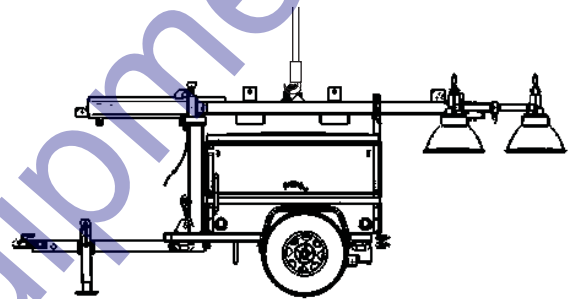
Fully retract and lower the mast to the stowed position.

Secure the mast for transport with the travel lock pin.

Fully retract, raise and lock all tongue jacks and outriggers.

Close and secure the cabinet doors.

Use the lifting eye on the mast to lift the machine.



Maintenance



Observe and Obey:

- ☑ Only routine maintenance items specified in this manual shall be performed by the operator.
- ☑ Scheduled maintenance inspections shall be completed by qualified service technicians, according to the manufacturer's specifications and the requirements specified in the responsibilities manual.
- ☑ Use only Terex approved replacement parts.

Maintenance Symbols Legend

The following symbols have been used in this manual to help communicate the intent of the instructions. When one or more of the symbols appear at the beginning of a maintenance procedure, it conveys the meaning below.



Indicates that tools will be required to perform this procedure.



Indicates that new parts will be required to perform this procedure.

Check the Engine Oil Level



Maintaining the proper engine oil level is essential to good engine performance and service life. Operating the machine with an improper oil level can damage engine components.

Note: Check the oil level with the engine off.

- 1 Check the oil level dipstick. Add oil as needed.

Perkins 403D-11 Engine

Oil type	15W-40
Oil type - cold conditions	5W-40

Kubota D-1105 Engine

Oil type	10W-30
Oil type - cold conditions	5W-30

Maintenance

Check the Engine Coolant Level



Maintaining the engine coolant at the proper level is essential to engine service life. Improper coolant level will affect the engine's cooling capability and damage engine components. Daily checks will allow the inspector to identify changes in coolant level that might indicate cooling system problems.

- ▲ Burn hazard. Beware of hot engine parts and coolant. Contact with hot engine parts and/or coolant may cause severe burns.

Note: Do not remove the radiator cap.

- 1 Check the fluid level in the coolant recovery tank. Add fluid as needed.
- ⊙ Result: The fluid level should be at the FULL mark.

Refer to Kubota Operator's Manual 97897-01090.

Check the Batteries



Proper battery condition is essential to good machine performance and operational safety. Improper fluid levels or damaged cables and connections can result in component damage and hazardous conditions.

- ▲ Electrocution hazard. Contact with hot or live circuits may result in death or serious injury. Remove all rings, watches and other jewelry.

- ▲ Bodily injury hazard. Batteries contain acid. Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

- 1 Put on protective clothing and eye wear.
- 2 Be sure that the battery cable connections are tight and free of corrosion.
- 3 Be sure that the battery hold-down brackets are in place and secure.

Note: Adding terminal protectors and a corrosion preventative sealant will help eliminate the corrosion on the battery terminals and cables.

Maintenance

Check the Tire Pressure



- ▲ Bodily injury hazard. An over-inflated tire can explode and may cause death or serious injury.
- ▲ Collision hazard. An excessively worn tire can cause poor handling and continued use could result in tire failure.
- ▲ Tip-over hazard. Do not use temporary flat tire repair products.

Maintaining the tires and wheels in good condition is essential to safe operation and good performance. Tire and/or wheel failure could result in a machine tip-over. Component damage may also result if problems are not discovered and repaired in a timely fashion.

- 1 Check the tire surface and sidewalls for cuts, cracks, punctures and uneven or excessive tread wear. Replace the tire if uneven or excessive tread wear is found.
- 2 Check each wheel for damage, bends and cracks. Replace the wheel if any damage is found.

Note: Tires and wheels must be replaced with tires and wheels of the specifications listed.

- 3 Check each tire with an air pressure gauge. Add air as needed.
- 4 Check the torque of each lug nut.

Tire Specifications, U.S.

Tire Size	ST175/80D13	Load B
Lug nut torque	80 ft/lbs	108 Nm
Tire pressure (cold)	35 psi	241 kpa

Scheduled Maintenance

Maintenance performed quarterly, annually and every two years must be completed by a person trained and qualified to perform maintenance on this machine according to the procedures found in the service manual for this machine.

Machines that have been out of service for more than three months must receive the quarterly inspection before they are put back into service.

Specifications

RL4, RL4S, RL4000, TML-4000

Height, stowed	5 ft 9.5 in	1.765 m
Length, stowed	14 ft 2 in	4.331 m
Width, stowed	4 ft 6 in	1.372 m
Extended mast height	30 ft	9.114 m

Weight

RL4, RL4S & RL4000	1725 lbs	783 kg
TML-4000	1810 lbs	823 kg

(Machine weights vary with option configurations. See serial label for specific machine weight.)

Maximum tongue weight	199 lbs	91 kg
Tire size, U.S.	ST175/80D13	Load B
Engine type	Kubota	13.6 HP
	Perkins	13.8 HP

Fuel capacity	30 gallons	114 liters
Run time	Kubota	38.3 hours
	Perkins	37.9 hours

Generator	Marathon 6 kW, 60 Hz
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Total lighting wattage	4000 watts
Four lights	

Replacement bulbs	1000 watts
	Type BT-37 Metal Halide

Tower rotation	359 degrees
	non-continuous

Maximum towing speed	60 mph	97 km/h
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Maximum wind speed	62 mph	100 km/h
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Sound level (dba rating)	71 dba @	23 ft / 7 m
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Continuous improvement of our products is a Terex policy. Product specifications are subject to change without notice or obligation.



Reporting Safety Defects

Terex
18340 NE 76th Street
PO Box 97030
Redmond, WA 98073-9730

Reporting Safety Defects

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to Terex Corporation.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in any individual problems between you, your dealer or Terex Corporation.

To contact NHTSA you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (366-0123 in Washington DC area) or write to:

NHTSA
U.S. Department of Transportation
400 7th Street SW, (NSA-11)
Washington DC 20590

You can also obtain information about motor vehicle safety from the Hotline.

California Proposition 65

Warning

The exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Towing Checklist (Use at each stop)

Before Towing

- All covers are closed and jacks, outriggers, and mast are locked and secured in the travel position.
- Towing hitch is properly secured to tow vehicle
- Safety chains are properly attached and secure (chains are crossed below hitch)
- All lights are connected and working
- Tires are properly inflated

Before Driving

- Fasten safety restraints
- Properly adjust mirrors

On The Road

- Do not exceed 60 mph / 97 km/h. Obey all local and national towing speed laws
- Check connections and tire pressure at each stop
- Slow down for hazardous conditions
- Allow extra distance for following and passing other vehicles